

Project Description

Cannon Solar Partners, LLC, a Delaware limited liability company, is planning the development, construction and operation of the Lucerne Valley Solar Project (the Project) a large utility scale solar energy project in Lucerne Valley. The Project is planned for construction in three phases: Phase 1 200MW year 2011-2013, Phase 2 250MW year 2013 -2015 and Phase 3 250MW year 2015-2017. The project is located on approximately 4540 acres of State land near the intersection of Highway 247 and Lucerne Valley Cutoff. All project phases are within the unincorporated Lucerne Valley planning area. There are a few widely dispersed residences near the Phase sites.

Phase 1 of the Project will be located on approximately 1300 acres of State lands administered by The California State Lands Commission. Proposed site work and structures related to this phase of the Project include the following:

1. Installation of about 3,790 concentrated solar photovoltaic (CPV), 53kW energy systems
2. 320VDC-208VAC inverters and 208V/34.5kV distribution transformers
3. A 34.5kV underground electrical collection system
4. A 34.5/115 kV substation
5. A 22 mile, 115 kV transmission line from Phase 1's Project substation to Southern California Edison's (SCE) Cottonwood – Savage 115kV transmission line
6. Operations and maintenance building
7. A water well
8. A water tank
9. Main access roads
10. Service roads for performing O&M on the CPV energy systems

Phase 2 of the Project will be located on approximately (1575) acres of State lands administered by The California State Lands Commission. Proposed site work and structures related to this phase of the Project include the following:

1. Installation of about (4570) concentrated solar photovoltaic (CPV), 53kW energy systems
2. 320VDC-208VAC inverters and 208V/34.5kV distribution transformers
3. A 34.5kV underground electrical collection system
4. A 34.5/230 kV substation
5. An 8-mile, 230 kV transmission line from Phase 2's Project substation to SCE's Pisgah – Lugo 230kV transmission line.
6. Operations and maintenance building
7. A water well
8. A water tank
9. Main access roads
10. Service roads for performing O&M on the CPV energy systems

Phase 3 of the Project will be located on approximately (1660) acres of State lands administered by The California State Lands Commission. Proposed site work and structures related to this phase of the Project include the following:

1. Installation of about (4815) concentrated solar photovoltaic (CPV), 53kW energy systems

2. 320VDC-208VAC inverters and 208V/34.5kV distribution transformers
3. A 34.5kV underground electrical collection system (Will connect to Phase 2 Substation)
4. Operations and maintenance building
5. A water well
6. A water tank
7. Main access roads
8. Service roads for performing O&M on the CPV energy systems